

ABSTRACT

An image processing circuit includes a spectrum estimating portion for inputting image data, obtaining data required for spectrum estimation from an estimation data supplying portion and estimating spectrums of pixels, a scattering feature calculating portion for calculating several scattering features based on spectrums of pixels from the spectrum estimating portion and data required for feature calculation from the feature calculation data supplying portion, and a color image generating portion for performing a display color calculation based on a scattering feature image from the scattering feature calculating portion and for determining RGB values of respective pixels and outputting RGB images in order to display scattering features as a color image.